

FORM PTO-1449 (modified)  
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Atty. Dkt. No.: 037003-0275543

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicants: Hanna et al.

Filing Date: July 10, 2000

Date: March 6, 2007

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Examiner: C. Yaen

Group Art Unit: 1643

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,976,745	11/1990	Schoemaker <i>et al.</i>	514	423
	BR	4,975,369	12/1990	Beavers <i>et al.</i>	514	546
	CR	4,816,567	03/1989	Cabilly <i>et al.</i>	548	523
	DR	4,816,397	03/1989	Boss <i>et al.</i>	514	2

## FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclosed	No
	ER	WO 90/08198	07/1990	WIPO	Letvin	Yes		Yes	
*	FR	WO 90/15152	12/1990	WIPO	Cobbold <i>et al.</i>	Yes		Yes	
*	GR	WO 93/02108	02/1993	WIPO	Newman <i>et al.</i>	Yes		Yes	
*	HR	EP 1266965 A2	12/2002	EPO	Newman <i>et al.</i>	Yes		Yes	
*	IR	EP 1266965 A3	01/2003	EPO	Newman <i>et al.</i>	Yes		Yes	
	JR	EP 0451216 B1	10/1991	EPO	Queen <i>et al.</i>	Yes		Yes	
	KR	EP 0523949 A1	01/1993	EPO	Crowe <i>et al.</i>	Yes		Yes	
	LR	EP 0682040 A1	11/1995	EPO	Queen <i>et al.</i>	Yes		Yes	
*	MR	WO 88/07089	09/1988	WIPO	Winter <i>et al.</i>	Yes		Yes	

## OTHER (Including in this order Author, Title, Periodical Name, Pertinent Pages, Date, etc.)

NR	Proceedings of the National Academy of Sciences USA, Volume 88, Number 1, issued 1 January 1991, Watanabe <i>et al.</i> , "Soluble human CD4 elicits an antibody response in rhesus monkeys that inhibit simian immunodeficiency virus replication", pages 120-124, see abstract.
OR	Surg. Gynecol. Obstet., Volume 166, Number 1, Delmonico <i>et al.</i> , "Monoclonal antibody treatment of human allograft recipients", pages 89-98, see Abstract.
PR	Infection and Immunity, Volume 61, Number 10, issued October 1993, Lopez-Guerro <i>et al.</i> , "Modulation of adjuvant arthritis in Lewis rats by recombinant vaccinia virus expressing the human 60-kilodalton heat shock protein", pages 4225-4231, see entire document.
QR	Dev. Comp. Immunol. Volume 17, Number 6, issued November-December 1993, Lewis <i>et al.</i> "Cloning and sequence analysis of kappa and gamma cynomolgus monkey immunoglobulin cDNAs", pages 549-560.
RR	Biotechnology, Volume 10, Number 11, issued November 1992, Newman <i>et al.</i> , "Primatization" of recombinant antibodies for immunotherapy of human diseases: a macaque/human chimeric antibody against CD4", pages 1455-1460.
SR	Jones, P.T. <i>et al.</i> , Nature 321:522 (1986)
TR	Camerini, D. and B. Seed, Cell 60:747 (1990)
UR	McClure, M.O. <i>et al.</i> , Nature 330:487 (1987)

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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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VR	Truneh et al., "Humoral Response of Cynomolgus Macaques to Human Soluble CD4: Antibody Reactivity Restricted to Xeno-Human Determinants" Cellular Immunology 131:1 (November 1990) pp. 98-108
WR	Nishimura, Y et al., Cancer Research 47:999 (1987)
XR	Ward, E.S. et al., Nature 341:544 (1989)
YR	Camerini, d. and B. Seed, Abstract No. T.C.P. 125, V International Conference on AIDS, p. 587 (1989)
ZR	Persson et al., Proc. Natl. Acad. Sci. USA 88:2432 (1991)
AAR	Meek et al., J. Immun 146:2434 (1991)
BBR	Allison et al, J. Immunological Methods 95:157 (1986)
CCR	Ehrlich et al., Hybridoma, 7:4, pp. 385-395 (1988)
DDR	Ehrlich et al., Clin. Chem. 34:1681 (1988)
EER	Van Meel et al., J. Immunological Methods 80:267 (1985)
FFR	BS Heteromycloma line, abstract
GGR	Ehrlich et al., Hum Antibod. Hybridomas 1:1 (1990)
HHR	Ehrlich et al., Hybridoma 6:2 pp.151-160 (1987)
IIR	Herpes Transformation, abstract
JJR	Amoroso et al., J. Immun. 145:3155 (1990)
KKR	Huse et al., Science 246:1275 (1989)
LLR	Letvin et al., "Effect of Recombinant Soluble CD4 in Rhesus Monkeys Infected with Simian Immunodeficiency Virus of Macaques", Abstract from the V International Conference on AIDS (1989) p. 535
MMR	Rosenberg, M. et al., "Soluble Recombinant CD4 – A Potential Therapeutic Agent for HIV Infector", Biotherapy 2:107 (1990)
NNR	Riechmann, L. et al., "Reshaping Human Antibodies for Therapy", Nature 332:323-327 (1988)
OOR	Houghton, A.N. et al., "Monoclonal Antibodies Potential Applications to the Treatment of Cancer", Seminars in Oncology 13:165 (1986)
PPR	Watanabe, M. et al., Proceedings of the National Academy of Sciences 88:4616-4620 (1991).
QQR	Van Meurz et al., Journal of Immunological Methods (1986) p. 123.
RRR	Morrison, Science 229:1202 (1985)
SSR	Immunology Today 10:253 (1989)
TTR	Queen et al., PNAS 86:10029 (1989)
UUR	Waldmann, Science 252:1657 (1991)
VVR	Hied et al., Genes and Cancer (1990) p. 183
WWR	Markova et al., "Monkey B lymphocyte subpopulations transformed by baboon herpes virus in vivo and in tissue cultures", VOPR VIRUSOL 30:5 (October, 1985) pp. 549-553.

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	XXR	Harris et al., TB Tech, Vol. 11, p. 42 (1993)
	YYR	Van Meurs et al., "Production of Primate Monoclonal Antibodies", Journal of Immunological Methods" Vol. 95 (1986) pp. 123-128
	ZZR	Schroeder et al. "Early Restriction of the Human Antibody Repertoire" Science, Vol. 238 (November 6, 1987) pp. 791-793.
	AAAR	Combriato et al. "V Lambda and J Lambda-C Lambda Gene Segments of the Human Immunoglobulin Lambda Light Chain Locus are Separated by 14 KB and Rearrange by a Deletion Mechanism", European Journal of Immunology, Vol. 21 (June 1991) pp. 1513-1522.
	BBBR	Hughes-Jones et al. "Nucleotide Sequences and Three-Dimensional Modeling of the VH and VL Domains of Two Human Monoclonal Antibodies Specific for the D Antigen of the Human RH-Blood Group System", The Biochemical Journal 268:1 (May 15, 1990) pp. 135-140.
	CCCR	Stephens et al., "Antibodies are Produced to the Variable Regions of the External Envelope Glycoprotein of Human Immunodeficiency Virus Type 1 in Chimpanzees Infected with the Virus and Baboons Immunized with a Candidate Recombinant Vaccine", The Journal of General Virology, 73:5 (May 1992) pp. 1099-1106.
	* DDDR	L.J. Cooper, "H Chain C domains influence the strength of binding of IgG for streptococcal group A carbohydrate," J. Immunol., (Abstract), Vol. 146 (No. 8), p. 2659-63, (15 April 1991).
	* EEER	J.J. Goronzy, "T and B cell-dependent pathways in rheumatoid arthritis," Curr Opin Rheumatol., (Abstract), Vol. 7 (No. 3), p. 214-221, (May 1995).
	* FFFR	R.O. Williams, "Synergy between anti-CD4 and anti-tumor necrosis factor in the amelioration of established collagen-induced arthritis," Proc. Natl. Acad., Immunology, p. 2762-2766, (March 1994).
	* GGGR	Ellison et al., "Genbank locus P01861," Ig gamma-4chain...(Abstract),
	* HHHR	Yocum et al., "Immunomodulatory Effect of Primatized IDE-CE9, an Anti-CD4 Monoclonal Antibody, in RA," (Abstract), (October 1994).
	* IIIR	Solinger et al., "Immunological markers of response in multi-dose protocol 7002 using an immunomodulating, non-depleting primatized anti-CD4 monoclonal antibody in rheumatoid arthritis (RA)," (Abstract), (June 1996).
	* JJJR	Kaine et al., "Results of a multi-dose protocol 7002 using an immunomodulating, non-depleting primatized anti-CD4 monoclonal antibody in rheumatoid arthritis (RA)," (Abstract), (October 1995).
	* KKKR	Duncan et al., "Localization of the binding site for the human high-affinity Fc receptor on IgG," (Abstract), (April 1988).
	* LLLR	Angal et al.,
	* MMMR	Anderson et al., "A primatized MAb to human CD4 causes receptor modulation, without marked reduction in CD4+T cells in chimpanzees: in vitro and in vivo characterization of a MAb (IDEC-CE9.1) to human CD4," Clin. Immunol. and Immunopath., Academic Press, Vol. 84 (No. 1), p. 73-84, (July 1997).
	* NNNR	Looney et al., "Expression and characterization of cM-T413, a chimeric anti-CD4 antibody with in vitro immunosuppressive activity (Abstract)," Chem. Abstr. & Indexes, American Chemical Society (Columbus US), (24 October 1994).
	* OOOOR	Supplementary European Search Report, Appl. No. EP 96929936, 10/17/2002

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